

On Self-similar Solutions for the Collaspe of
an Empty Cylindrical Hollow in a Gas with
Equation of State p Equals $S \text{ RHO SUP } X$, by
N. S. Kozin. 14 pp.
RUSSIAN, per, Zhurnal Vychisl Mat i Mat Fiz,
Vol 9, No 1, 1969, pp 243-251.
NASA TT F-12,371

Sci-Phys
Dec 69

397,351

On a Numerical Method of Solving Optimal Control Problems, by L. D. Podvalnyy.

RUSSIAN, per, Zhurnal Vychisl Mat i Mat Fiz.

Vol 9, No 2, 1969, pp 300-314.

Dept of Navy APL/JHU T-2341

Sci-Math

Dec 69

397,426

Sonic Flow of an Ideal Gas Past Half-Bodies,
by Yu. B. Lifshits, O. S. Ryzhov. 14 pp.
RUSSIAN, per, Zh Vychislitel'noy Matematiki i
Matematicheskoy Fiziki, Vol 9, No 2, 1969,
pp 387-396.

AIR/FTD/HT-23-91-70

Sci-Phys
June 70

Analysis of a Radiating Gas Flow in a Shock Layer,
by O. M. Beloteerkovskiy.

RUSSIAN, per, Vychisl Matem i Matem Fiz, Vol. 9,
No 2, 1969, pp 397-412.

CIA X-7042

July 69

385,435

The Stability of the Steady-state Motions of
a Satellite with a Gyroscope in a Central
Gravitational Field, by R. S. Sulikashvili.
RUSSIAN, per, Zh Vych Mat i Mat Fiz, Vol 9,
No 2, 1969, pp 479-482.
Dept of Navy APL/JHU T-2320

Sci-Phys
Nov 69

395,738

Calculation of a Derivative on the Basis of Dis-
cretely Arriving Information, by V. N. Sulitskiy.
RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki i
Matematicheskoy Fiziki, Vol 9, No 3, 1969, pp 500-508.
Dept of Navy APL/JHU T-2400

Sci/Math
Apr 70

405,583

On the Properties of the Derivatives of the
Solutions of Laplace's Equation and the Errors
of the Method of Finite Differences for Boundary
Values in C_2 and $C_{1,1}$, by E. A. Volkov.

RUSSIAN, per, Zhurnal Vychislitelnoi Matematiki
i Matematicheskoi Fiziki, Vol 9, No 3, 1969,
pp 573-584.

NTC 71-13622-12A

Feb 72

Hypersonic Gas Flow around Blunt Bodies
Taking Account of Selective Radiation and
Absorption of Energy, by V.I. Lebedev &
V.A. Fomin.
RUSSIAN, per, Vychisl. Matem. i Matem.
Fiz., Vol. 9, No. 3 1969, pp. 655-663.
CIA X-7095

Sept 69

391,376

On Iterative Methods for the Precise Determination
of Roots of Equations, by V. A. Varukhin,
S. A. Kas'yamuk.

RUSSIAN, per, Zh Vychisl Mat i Mat Fiz, Vol 9,
No 3, 1969, pp 684-687.

Dept of Navy APL/JHU T-2353

Sci-Math
Dec 69

397,434

Optimization of Methods of Solving Boundary Problems
in the Presence of a Boundary Layer, by

N. S. Bakhvalov.

RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki i
Matematicheskoy Fiziki, Vol 9, No 4, 1969, pp 841-859.
Dept of Navy APL/JHU T-2408

Sci/Math
May 70

407,106

Transonic Flows Behind a Detached Shock.
By O. M. Belotserkovskii, E. G. Shifrin
RUSSIAN, per, Vychisl. Matem. i Matem.
Fiz., vol. 9, No. 4, 1969, pp. 908-931.
CIA X-7108

Copy (many) sent to [illegible]

Nov 69

396,102

Completely Conservative Difference Schemes, by
I. P. Popov, 12 pp.
RUSSIAN, par, Zh Vychisl Mat i Mat Fiz, Vol 9,
1969, pp 953-958.
ABC-SC-T-70-4005

Sci-Math
Nov 70

Free Axisymmetric Vibrations of Thin Elastic
Shells of Revolution, by G. I. Pshenichnov.
RUSSIAN, par, Zh Vychisl Mat i Mat Fiz, Vol 9,
No 5, 1969, pp 1202-1207.
NASA TT F-12,787

Sci-Phys
Jul 70

Numerical Computation of a Supersonic Flow of
Viscous Ideal Gas Around Spheres, by
V. K. Molodtsov. 10 pp.
RUSSIAN, par, Zh Vychisl Mat i Mat Fiz, Vol 9,
No 5, 1969, pp 1211-1217.
NASA TT F-12,788

Sci-Phys
Jul 70

V. B. Uvarov

Relation between Systems of Polynomials Orthogonal
With Respect to Various Distribution Functions.

RUSSIAN, per, Vychislitel'naya matematika i matemat-
icheskaya fizika, Vol 9, No 6, (Nov-Dec 1969), pp
1253-1262.

NASA TT F 14,480

Oct '72

On Uniform Convergence of Difference Schemes
for the Neumann Problem, by V.B. Andreev,
15 pp.

RUSSIAN, per, Vychisl. Matem. i Matem. Fiz.
vol 9, no 6, 1969, pp. 1285-1298.

CIA X-7208

Apr 70

404,951

Distribution of Electricity on a Thin Finite Cone,
by M. N. Lebedev. 13 pp.
RUSSIAN, par, Zh Vychisl Mat i Mat Fiz, Vol 9,
No 6, 1969, pp 1336-1346.
NASA TT F-13,016

Sci-Phys
Oct 70

Combustion in Supersonic Streams Flowing About
Various Bodies, by P. I. Chushkin. 16 pp.

RUSSIAN, per, Zh Vychisl Mat i Mat Fiz, Vol 9,
No 6, 1969, pp 1367-1377.

NASA TT F-13,017

very HPL / J ha 1-2-132

Sci-Phys
Oct 70

One Direct Diagram of a Method of Characteristics
for the Calculation of a Three Dimensional Gas
Flow, by Ye. I. Grigoryev. 10 pp.

RUSSIAN, per, Zh Vychisl Mat i Mat Fiz, Vol 9,
No 6, 1969, pp 1413-1419.

NASA TT F-~~55780~~

13,019

Sci-Phys
Oct 70

On Absolute Uniform Stability of a Dis-
crete Scheme for the Equation $u_t = u_{xx}$
by S. I. Gardinova, 10 pp.
RUSSIAN, per, Vychisl. Matem. i Mekh.
Fiz., vol. 10, No. 1, 1970, pp. 88-99.
CRA X-7227

May 70

A Numerical Method of Calculating Laminar Boundary
Layers, by A. P. Byrkin, V. V. Shchennikov, 11 pp.
RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki i
Matematicheskoy Fiziki, Vol 10, No 1, 1970,
pp 124-131.
ARM/FSTC/HT-23-1312-71

Sept 71

Laminar Boundary Layer Computation on
Pointed Elliptical Cones in a Supersonic
Flow at Small Angle of Attack, by
V. A. Borkhin, 8 pp.
RUSSIAN, per. Zh. Vychisl. Matem. i
Matem. Fiz., vol. 10, no. 1, 1970,
pp. 233-239.
CIA X-7236

May 70

O. M. Belotserkovskii

Numerical Solution of Certain Gas Dynamic Problems.

RUSSIAN, per, Zhurnal Vychislitelnoi Matematiki i Matematicheskoi Fiziki, Vol 10, 1970, pp 401-416.

NTC 72-14097-20D

CIA K-7278

Nov 72

On the Stability of Predictor Method for the Realization
of Difference Schemes for Equations of Heat Conduction
and Vibration, by E. S. Nikolaev.

RUSSIAN, per, Zhurnal Vychislitelnoi Matematiki i
Matematicheskoi Fiziki, Vol 10, 1970, pp 478-481.
NTC-71-10578-12A

Nov 71

A. P. Kosykh

Explicit Schemes of the Location Method in the
Problem of Supersonic Flows Around a Blunt Body.

RUSSIAN, per, Zhurnal Vychislitelnoi Matematiki
i Matematicheskoi Fiziki, Vol 10, 1970, pp 514-520. 11pp

NTC 72-13987-20D

NASA-TT-4-2038

Nov 72

REQ TR CHECK

20-8-11

SOLUTION OF A ONE DIMENSIONAL INVERSE
PROBLEM IN THE THEORY OF ELECTROMAGNETIC
PROBING

VASILYEV V G

UR: ZHURNAL VYCHISLIT. MAT FIZ. 1970, vol 10,
nr 3, pp 759-762

*Conc. to main
Programs from
in process as
MS-50071-1664*

Flow of A Vicious Refueling Gas Around Head
Bottle, by I. M. Sawyer. 14 pp.
BOSTON, Mass. The Massachusetts Inst. of Tech.
Eng. Vol 10, No 2, Sep-Oct 1970, pp 125-137.
NARA TT-F-13531

July 71

REQ. TR CHECK

15-5-1

TFA4

CALCULATION OF RADIATION ABSORBING SHOCK
WAVES

VOLOSEVICH, P.P., LEVANOY, YE.I.

UR-ZHURNAL VYCHISLITEL'NOY MATEMATIKI I

MATEMATICHESKOI FIZIKI, Vol 10, Sep Oct

1970, pp 1301-1305

c/c Paganon
Process in as
H572-22-1262

26 May 73

Numerical Solutions of Intrinsically Steady-
State Problems of Electrodynamics, by
L. M. Degtyarev. 15 pp.
RUSSIAN, per, Zh. Vychislitelnoi Mat. i Mat.
Fiz., Vol 10, No 6, 1970, pp 1405-1418.
NASA TT F-13,565
NTC 72-12571-20C

Jan 72

The Self-Modeling Problem of a High-Current
Discharge in a Plasma, by P. P. Volosevich. 17 pp.
RUSSIAN, per, Zh. Vychislitelnoi Mat. i Mat. fiz.
Vol 10, No 6, 1970, pp 1447-1457.
NASA TT F-13,569

NTC 72-12786-201

Feb 72

Difference Method for the Solution of the
Second Boundary-Value Steady-State Problem of
the Theory of Elasticity, by B. Aliyev. 15 pp.
RUSSIAN, per, Zh. Vychisl. Mat. i Mat. Fiz.
Vol 10, No 6, 1970, pp 1431-1490.
NASA TT F-13,566

NTC 72-12790-20K

Feb 72

Numerical Integration of the Equations of a
Three-Dimensional Laminar Boundary Layer on
Flow Lines, by V. A. Bashkin. 16 pp.
RUSSIAN, per, Zh. Vychislitelnoi Mat. i Mat. Fiz.,
Vol 10, No 6, 1970, pp 1491-1502.
NASA TT F-13,567

NTC 72-12568-200

Feb 72

Investigation of Nonviscous Flows of a
Radiating Gas With the Help of Differential
Approximations, by S. D. Bezrukh. 14 pp.
RUSSIAN, per, Zh. Vychislitelnoi Mat. i Mat.,
Fiz., Vol 10, No 6, 1970, pp 1503-1511.
NASA TT F-13,568

NTC 72-12567-200

Feb 72

Methods of Runge-Kutta Type for Gas Dynamics, by
V. B. Balakin, 9 pp.
RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki i
Matematicheskoy Fiziki, Vol 10, Nov-Dec 1970,
pp 1512-1519.
CIA X-7486

NTC-71-16840-12A

Aug 71

O. M. Belotserskiy

The nonstationary method of "Large Particles" for
Gas-dynamic calculations. 36 pp.

RUSSIAN, Zhurnal Vychislitel'noy Matematiki i Matemati-
cheskoy Fiziki, Vol 2, No 1, 1971, pp 182-207

ATR/FTD-MT-24-1598-73

FTD-HS-23-71-1968

jan 73

Uniform Flow Past Finite Bodies in the Transonic
Velocity Range, by V. M. Diederov *21 Feb*
RUSSIAN, per, Zh Vychislitelnoi Matematiki i
Matematicheskoi Fiziki, V 11, Jan/Feb, 1971,
pp 208-221.
NASA-TT-F-13,984

Oct 71

On Oscillations Arising in Numerical
Computations of Discontinuous Solutions
of Differential Equations, by
S. I. Serdyukova.

RUSSIAN, per, Zhurnal Vychislitelnoi
Matematiki i Matematicheskoi Fiziki,
Vol 11, No 2, 1971, pp 411-424.

NTC 72-10861-12A

X-7505

May 72

Difference Schemes with a Splittable Operator for
Systems of First Order Hyperbolic Equations, by
M. Dryia, 5 pp.

RUSSIAN, per, Vychisl Matem i Matem Fiz, Vol 11,
No 2, 1971, pp 520-525.

CIA-X-7504

7LTC 72-10862-12A

Nov 71

V. Borisov

Stationary flow of equal-density suspensions through tubes. 11 pp.

RUSSIAN, Zhurnal Vychislitel'noy matematiki i matematicheskoy fiziki, No 3, 1971, pp 738-745

ATR/FTD-HC-83-1186-72

nov 72

4(SC-T-722522) 5RATE OF CONVERGENCE OF THE
AUGMENTED PLANE WAVE METHOD USED IN CALCULATION
OF ELECTRON SPECTRA. 6Dyakin, V. V.; Shirokovskii, V. P.
10Translated by Patricia Newman (Sandia Labs., Albuquerque, N.
Mex.), from 15Zh. Vychisl. Mat. i Mat. Fiz.; 11: No. 4, 1047-50(1971).
207p. 24Dep. NTIS.

26mathematics; physics (solid-state); translations 2712, 20L.

28MN-34 29P NSA

Analysis of the Flow Around Bodies of Arbitrary
Shape by the Method of "Coarse Particles", by
Yu. M. Davydov, 7 pp.
RUSSIAN, per, Vychisl Matem i Matem Fiz, Vol 11,
No 4, 1971, pp 1056-1063.
CIA-X-7532

NTC 72-12015-014r

Jan 72

Supersonic Dissociating Gas Flow Around Blunt
Bodies at an Angle of Attack, by M. M. Golomazov,
8 pp.
RUSSIAN, per, Zh Vychisl Matem i Matem Fiz, Vol 11,
No 4, 1971, pp 1063-1071.
X-7521

NTC 72-11472-014

Dec 71

On the Analysis of Supersonic Steady Gas Flows With
Internal Compression Shocks, by V. I. Kosarev,
10 pp.

RUSSIAN, per, Vychisl Matem i Matem Fiz, Vol 11,
No 5, 1971, pp 1262-1271.

X-7527

NTC 72-11612-01A

Dec 71

Analysis of the Self-Similar Three-Dimensional
Laminar Boundary Layer Equations by the Method of
Quasilinearization, by V. A. Bashkin, 8 pp.
RUSSIAN, per, Vychisl Matem i Matem Fiz, No 5, 1971,
pp 1338-1344.
X-7528

NTC 72-11613-12A

Dec 71

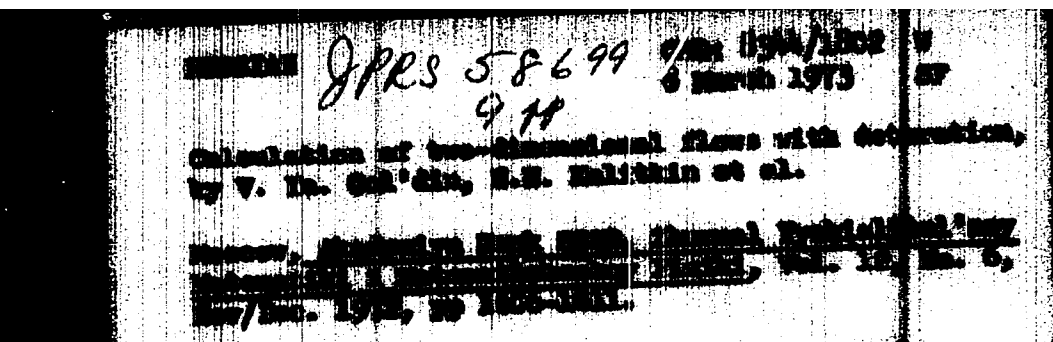
V. V. Gadzhieva

On Some Explicit Difference Schemes for the
Hydrodynamics Equations.

RUSSIAN, per, Zhurnal Vychislitelnoi Matematiki
i Matematicheskoi Fiziki, Vol 11, 1971, pp 1603-
1605.

NTC 72-13501-20D

Nov 72



Electrophysiology of a Conditioned Reflex Formed
in Response to Stimulation of Trigeminal Midline
Nuclei, by G. T. Sakhiulina and G. St. Merzhanova,
12 pp.

RUSSIAN, per, Zhurnal Vysshego Nervnogo Deyatel'nosti
Imeni I. P. Pavlova, Vol. XV, No. 1, 1965, pp. 3-10.

JPRS 30007

USSR
Sci-B/M
May 65

270, (1)

Electrophysiological Data on the Influence of Some
Psychopharmacological Drugs on Various Structures
of the Human Brain, by M. N. Tringol, L. Yu.
Balonov, and D. A. Kaufman, 15 pp.
RUSSIAN, per, Zhurnal Vysshego Nervnogo Deyatel'nosti
imeni I. P. Pavlova, Vol XV, No 1, 1965, pp. 42-51.
JPRS 30007

USSR
Sci-B/M
May 65

2(2,70)

Dynamic Localization of Conditioned Inhibition

Produced by Hypnotic Suggestion, by I. I. Korotkin
and M. M. Sushova, 11 pp.

RUSSIAN, per, Zhurnal Vysshey Nervnoy Deyatel'nosti
Imeni I. P. Pavlova, Vol XV, No 1, 1965, pp. 53-60.
JPRS 30007

USSR
Sci-B/M
May 65

270,000

The Influence of Ribonuclease on Unconditioned
and Conditioned Reflexes of White Mice in
Ontogenesis, by O.A. Krylov, R.A. Danilova,
V.S. Tongur, 11pp.

RUSSIAN, per, Zhurnal Vysshey Nervnoy Deyatel'-
nosti, Vol 15, No 1, 1965, pp 79-85.

JPRS 39764

AEC BNL Tr-49

USSR

Sci/B&M

Feb 67

319,237

Seminar on Nervous System Function
Modeling, by Ye. M. Sokolov, 3 pp.
RUSSIAN, per, Zhurnal Vysshey Nervnoy
Deyatel'nosti, Vol 15, No 1, 1965,
pp 188-189.
AIR/PTD/WT-23-1110-67
AD 677252

Sci/BEM
Jan 69

353,208

Certain Peculiarities of the Unconditioned
Salivary Reflex in Dogs after Conditioned
Light and Sound Stimuli of Various Strengths,
by L. N. Andreyev, 9 pp.

RUSSIAN, per, Zhurnal Vysshey Nervnoy
Deyatelnosti, Vol 15, No 3, 1965, pp 435-
437.

P100017963

FTD-HT-67-456

Sci-B&M

Feb 63

350,614

Electric Responses of Various Structures of
the Cerebral Cortex in the Formation of the
Conditioned Food Reflexes to Auditory and
Photic Stimuli, by N. N. Lyubimov, 13 pp.
RUSSIAN, per, Zhurnal Vysshey Nervoy Dey-
tel'nosti imeni I. P. Pavlova, Vol. IV, No. 4,
1965, pp. 585-593.
JPRS 33021

USSR
Sci-B/M
Dec 65

292,376

Dynamics and Readjustment of the Motor
Response of Animals to Various Hypoxic
Media, by I. S. Breslav, 8 pp.
RUSSIAN, per, Zhurnal Vysshey Nervoy Deya-
tel'nosti imeni I. P. Pavlova, Vol XV, No
4, 1965, pp. 677-682.
JPRS 33021

USSR
Sci-B/M
Dec 65

292,377

Elaboration of a Vascular Conditioned Reflex
in Man to a Change in the Tension of an
Electromagnetic Field of High Frequency,
by G. P. Piatomov and V. V. Volynskiy,

6 pp.

RUSSIAN, per, Medical Knowledge Review (Moscow) -
1964, ISSN 12 12, Vol 16, No 1, Jan-
Feb 1964, pp. 34-37.

SPAG 35315

USDA

Sci-B/M

May 66

350,111

Present-Day State of Behavior Genetics, by V.
K. Fodorov, 21 pp.
RUSLAN, per, ~~General V. Fodorov~~ ~~General V. Fodorov~~ -
~~North Soviet Is. Is. Fodorov~~, Vol 16, No 1, Jan-
Feb 1966, pp. 30-31.
JPRS 35315

UNCLAS

Sci-B/M
May 66

300, 11A

Prolonged Shifts of the Steady Potential of
the Cortex in Response to Photic and Electrical
Stimulation of Non-Specific Brain Structures,
by Zh. P. Shuranova, 6 pp.

RUSSIAN, per, Zhurnal Vysishy Nervnoy Deyatel'-
nosti imeni I. P. Pavlova, Vol 16, No 1, Jan-
Feb 1966, pp. 62-66.

JPRS 35315

USSR
Sci-B/M
May 66

300,115

On Models in the Physiology of the Nervous
System, by V. U. Degtyar, 8 pp.

RUSSIAN, per, Zhurnal Vysshey Nervnoy Deyatel'-
nosti imeni I. P. Pavlova, Vol 16, No 1, Jan-
Feb 1966, pp. 82-87

JPRS 35315

USSR

Sci-B/M

May 66

300,116

Differential Sensitivity of Kinesthetic and Thermal Analyzers in Healthy Persons and in Patients Suffering from Neurogenic Cardiovascular Disorders, by A. V. Zav'yalov, 10 pp. RUSSIAN, per, Zhurnal Vysshey Nervnoy Deyatel'nosti imeni I. P. Pavlova, No. 1, Vol 16, Jan-Feb 1966, pp. 96-101.
JPRS 35315

USSR
Sci-B/M
May 66

300,117

Quantitative Characteristics of Temporal
Summation in the Posterior Colliculi and
Lateral Lemniscus of the Rat Brain, by I. A.
Vartanyan, 13 pp.

RUSSIAN, per, Zhurnal Vyshey Nervnoy Deya-
tel'nosti imeni I. P. Pavlova, Vol 16, No 1,
Jan-Feb 1966, pp. 103-111.

JPRS 35315

USSR

Sci-B/M

May 66

300,118

Primary Potentials in Animals Irradiated
during the Antenatal Period, by A. M.

Ivanitskiy, 11 pp.

RUSSIAN, per, Zhurnal Vyshey Nervnoy Deyat-
el'nosti imeni I. P. Pavlova, Vol 16, No 1,
Jan-Feb 1966, pp. 117-123.

JPRS 35315

USSR

Sci-B/M

May 66

300,119

Studies in the Mechanism of Conditioned
Reflexes and Memory, by F. Z. Meyerson and R.
I. Kruglikov, 27 pp.
RUSSIAN, per, Zhurnal vysshey Nervnoy Deyatel'-
nosti imeni I. P. Pavlov, Vol. XVI, No. 2,
1966, pp. 274-291.
JPRS 39727

USSR
Sci-B24
Mar 67

317,279

Analysis of Intonational Characteristics of
Speech As a Criterion of the Emotional State
of Man under Conditions of Space Flight, by
V. A. Popov, P.V. Simonov, A. G. Tishchenko, M.
V. Frolov and L. S. Khachatur'yants, 13 pp.
RUSSIAN, per, Zhurnal Vysshey Nervnoy Deyatel'
nosti, Vol XVI, No 6, 1966, pp. 974-983.
JPRS 39906

USSR
Sci-B&M
Feb 67

317,194

Types of Vegetative Shifts in Man during
Emotional Stress, by L. P. Orinak.
RUSSIAN, per, Zh Vyssh Nerv Delat Pavlov, Vol
17, No 3, 1967, pp 408-412.
HEW-NIH
10-4-67

Sci-B&M
Dec 67

346,123

Semiautomatic device for stereotaxic electrode
implantation, by A. A. Meshcheriakov.

S. I. Pychev, 5 pp.

RUSSIA, per, Zhurnal Vysshey Nervnoy Leyatel'nosti.

Moscow, Vol 17, No 6, 1967, pp 1133-1136.

AFIC 46709

Sci-B and

Nov 68

363,052

Inhibitory Phenomena in Impulse Activity of
Neurons in the Cochlear Nucleus of Cats,
by Ye. A. Radionova, 5 pp.
RUSSIAN, per. Zhurnal Vysshe Nervnoi Deyatel
'Nosti Imeni, Vol 18, No 1, pp 133-136.
ACSI-K-1939
FSTC-HT-23-1190-72

May 72

Electrical Sensitivity of the Eye Under the Effect
of the Intense Photic Stimulus, by V. I. Shostak, 8 pp.
RUSSIAN, per, Zhurnal Vychey Nervenoy Deyatel'nosti,
Vol 18, No 2, 1968, pp 339-343.
ARM/ESTC/IT-23-442-69

Sci/D&M
Nov 69

397,181

Effect of Superhigh-Frequency Electromagnetic
Fields on Conditioned Reflex Regulation of Cardiac
and Respiratory Activity, by M. I. Yakovleva, 8 pp.
RUSSIAN, per. Zhurnal Vysshey Nervnoy Deyatelnosti,
Moscow, Vol 18, No 3, pp 418-423.
JPRS 46632

Sci-B and
Oct 68

367,894

Action of Surface Polarization in the Intracellular
Activity of Neurons of the Motor Cortical Zone of
Nonanesthetized Rabbit, by L. I. Veronin.
RUSSIAN, per, Zh Vyssh Nerv Delat Pavlov, Vol 18, No 3,
1968, pp 478-487.
HHC NIE
3-1-69

Sci/B&M

~~Feb-69~~

JUN 1969

385,083

Distribution of Interpulse Intervals in the
Background Activity of Neurons of the Caudate
Nucleus, the Reticular Formation, and the Cerebral
Cortex of the Rat, by B. F. Tolkmov.

RUSSIAN, per, Zh Vyssh Nerv Dist Pavlov, Vol 18,
No 4, 1968, pp 691-700.

NSW NIE

2-28-69

Sci/BAM
Apr 69

380,221

On the Characteristics of Response Activity of
Individual Neurons of the Associative Cortex in
the Cat, by S. P. Narikashvili, et al.
RUSSIAN, per, Zh Vyssh Nerv Deiat Pavlov, Vol 18,
No 5, 1968, pp 865-872.

HEH NII

3-26-69

Sci/B&M

~~Feb~~ 69

JUN

383,107

Quantitative Changes in Nuclear RNA in the
Cerebellum and in the Cerebral Cortex of
Rats at Different Stages of Conditioning,
by V. N. Timkin, S. M. Kus'min, 10 pp.
RUSSIAN, per, Zhurnal Vysshey Nervnoy
Deyatelnosti, Moscow, Vol 18, No 6, 1968,
pp 968-972.
JPRS 47917

Sci-B&M
May 69

381,878

Conditioned Cardiac Reflexes, and the Functional
and Morphological State of Cortical Neurons When
Exposed to Superhigh Frequency Electromagnetic
Fields, by M. I. Yakovleva, T. N. Shlyafar, 9 pp.
RUSSIAN, per. Zhurnal Vysshey Nervnoy Deyatel'-
nosti imeni I. P. Pavlova, Moscow, No 6, 1968,
pp 973-978.
JPRS 47938

Sci-B and M
May 69

381,508

Influence of Reticular Stimulation on Responses of
The Associative Region of the Cortex in the Cat, by
S. P. Nariashvili.

RUSSIAN, per, Zh Vyssh Nerv Deiat Pavlov, Vol 18,
No 6, 1968, pp 1009-1016.

HEW NIH

9-11-69

Sci/BGM

Nov 69

397,151

Cortico-fugal Influences on the Associative
System of the Diencephalon of the Cat, by
A. S. Batuyev.

RUSSIAN, per, Zh Vyssh Nerv. Deiat Pavlov,
Vol 18, No 6, 1968, pp 1075-1081.

HEW NIK
6-8-69

Sci-B&M
Sept 69

390,124

DC

22958

12 May 69 SF

Behavior Peculiarities and Training of Dolphins
in Captivity by O.G.Karandeyeva,

Russian, per, Zhurnal Vysshey Nervnoy Deyatelnosti,
Moscow, Vol.19, No.1, (Jan/Feb), 1969
Special Type "B": Translator's draft plus one

pp-

Changes in the EEG and in Food Conditioned
Reflex Activity After Short-term Hypoxia,
by N. A. Agadzhanian.
RUSSIAN, per, Zhurnal Vysshey Nervnoy
Deyatel'nosti, 1969.
*ACSI J-6929

Sci-B&M
June 69

Postsynaptic Reactions of Neurons in Motor Cortex of
Cat Cerebrum to Stimuli of Different Modalities, by
L. L. Voronin.
RUSSIAN, per, Zh Vyssh Nerv Diat Pavlov, Vol 19, No 1,
1969, pp 71-82.
HEW NIN
9-13-69

Sci/B&M
Nov 69

397,153

Associative Region of the Cerebral Cortex and its
Interaction with the Sensory Zones, by

S. P. Narikashvili.

RUSSIAN, per, Zh Vyssh Nerv Delat Pavlov, No 19,
1969, pp 110-123.

HEW NIH

9-25-69

Sci/B&H

Nov 69

397,165

Cortical Projection of the Nuclei of the
Intralaminar Group of Optic Thalamus of the Cat and
Their Functional Value, by I. S. Robiner.

RUSSIAN, per, Zh Vyssh Nerv Deiat Pavlov, Vol 19,
No 1, 1969, pp 124-133.

HW NIP

9-24-69

Sci BGM

Nov 69

397164

Cortical-Subcortical Correlations at Spreading
Depression of the Neopallium, by A. F. Semiozhina.
RUSSIAN, per, Zh Vyssh Nerv Deiat Pavlov, Vol 19, No 1,
1969, pp 143-148.
HEW NII
9-22-69

Sci/B&M
Nov 69

397,162

Some Distinctions of Higher Nervous Activity in
the Black Sea Dolphin (*Tursiops Truncatus*),
by L. G. Voronin, L. B. Rozarovitsky, 13 pp.
RUSSIAN, per. Zhurnal Vysshey Nervnoy Deyatel'-
nosti imeni I. P. Pavlova, Moscow, vol 19, no 2,
1969, pp 233-242.
JPRS 43670

Sci-B and

Changes in Electroencephalogram and Alimentary
Conditioned Reflex Activity After Brief Hypoxia,
by N. A. Agadzhanyan.

RUSSIAN, per, Zhurnal Vysshey Nervnoy Deyatel-
nosti, 1969, pp 369-371.

ACSI J-6929

Sci-B&M

Aug 69

390,042

R.A. Chizhenkova

Background and Evoked Activity of Neurones in
the Visual Context of Rabbits After the
Action of Super-High-Frequency Field,
by R.A. Chizhenkova, 10 pp.
RUSSIAN, per. Zhurnal Vysshci Nervnoi Delatel'
nosto Palova, Vol 19, No 3, 1969, pp 495-501.
ACSI-K-2379

May 72

Electric Manifestations of Cerebral Activity of the
Cat at the Transition From the Wakeful State to
Sleep, by L. A. Fedotova.

RUSSIAN, per, Zh Vyssh Nervdeiat Pavlov, Vol 19,
No 3, 1969, pp 537-539.

HEW NIH

11-10-69

Sci/B&M

Jan 70

401,151

Some Characteristics of Sensory Afterdischarge of
Human Brain to Electric Stimulation, by
N. P. Endinova, M. S. Myshchodsky, 7 pp.
RUSSIAN, per, Neurological Review, Neurology,
Vol 20, 1970, pp 89-94.
ANSI J-9499
ID 2204000571

May 71

Evoked Potentials in the Human Cortex in Normal State
and in Conditions of Refracted Visual After-orientation on
(Interact), by V. A. Tolstov, 14 pp.

RUSSIAN, per. Samuel Vyacheslav Harvey Detatol'ski,
Vol 20, 1970, pp 95-105.

AGSI J-9498
ID 2204000471

May 71

Further Investigations Into Relationships Between
Diffuse Thalamic and Visual Systems, by
R. A. Pavlyginia, 11 pp.
RUSSIAN, per, Zhurnal Vysshey Nervonoy Deyatel'nosti,
Vol 20, 1970, pp 106-114.
ACBI J-9497
ID 2204000571

Oct 71

Development of the Chelmsford Structure of
the Earth in the Evolution of Artificial
Energy, by A. M. El'yashovsk,
S. A. Chagintsev, 12 pp.
USSR, per. Annual Review of Earth and
Planetary Sciences, No 1, 1970, pp 176-183.
JPRS 50841

Sci-BAH

Apr 70

405,453

Restoration Cycles of Evoked Potentials and Cortical
Inhibition, by A. Ya. Supin, 10 pp.

RUSSIAN, per, Zhurnal Vysshey Nervnoy Deyatel'nosti,
Vol 20, No 2, 1970, pp 450-457.

ACSI J-9683

June 71

Dynamics of the Form of Evoked Potentials in the
Course of Defensive Conditioning to an Inter-
mittent Photic Stimulus, by N.S. Popova, 12 pp.
RUSSIAN, per. Zhurnal Vysshey Nervnoy Deyatel'no-
sti, No 20, 1970, pp 545-554.
ACSI-K-0918

Jan 72

Investigation of the use of the Zolotarev Method of
Integration of the Equations of Motion, by V. N. Pavlov,
L. A. Kuznetsov, 3 pp.
Soviet Journal of Applied Mathematics and Mechanics, Vol. 20,
No. 3, May-Jun 1956, pp 653-657.
JPRS 51067

Sed-BAM
Aug 70

Involvement in the Temporary Connection of
Units and the Visual and Associative Cortical
Areas of the Cat, by G.N. Smetankin, 9 pp.
RUSSIAN, per. Zhurnal Vysshey Nervnoy Deyatel'
nosti, Vol 20, No 4, 1970, pp 563-569.
ACSI-K-0919

Feb 72

Unit Responses in the Ventral Hippocampus, by
T. P. Semenova.
RUSSIAN, per, Zhurnal Vysshei Nervnoi Deyatel'nosti,
Vol 20, 1970, pp 1031-1042.
NTC 72-14204-06E
NLL RTS 6941

Jan 73